

10/502235



PCT

RAW SEQUENCE LISTING

DATE: 07/29/2004

PATENT APPLICATION: US/10/502,235

TIME: 16:13:52

Input Set : A:\Seqlist.txt

Output Set : N:\CRF4\07292004\J502235.raw

4 <110> APPLICANT: KISIELOW, Malgorzata Anna
 5 KLEINER, Sandra
 6 NAGAMINE, Yoshikuni
 8 <120> TITLE OF INVENTION: METHODS OF OBTAINING ISOFORM SPECIFIC
 9 EXPRESSION IN MAMMALIAN CELLS
 12 <130> FILE REFERENCE: 1-32330A/FMI
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/502,235
 C--> 14 <141> CURRENT FILING DATE: 2004-07-22
 14 <150> PRIOR APPLICATION NUMBER: GB 0201477.7
 15 <151> PRIOR FILING DATE: 2002-01-23
 17 <150> PRIOR APPLICATION NUMBER: PCT/EP03/00611
 18 <151> PRIOR FILING DATE: 2003-01-22
 20 <160> NUMBER OF SEQ ID NOS: 16
 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 21
 26 <212> TYPE: RNA
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: oligoribonucleotide pair used as siRNA; h/m-shc
 31 siRNA from nt 677-697 (in the PTB domain)
 33 <400> SEQUENCE: 1
 34 cuacuugguu cgguacaugg g 21
 36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 22
 38 <212> TYPE: RNA
 39 <213> ORGANISM: Artificial Sequence
 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: oligoribonucleotide pair used as siRNA; h/m-shc
 43 siRNA from nt 677-697 (in the PTB domain)
 45 <400> SEQUENCE: 2
 46 cauguaccga acccaaguag ga 22
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 21
 50 <212> TYPE: RNA
 51 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: oligonucleotide pair used for siRNA; h/m-shc
 55 siRNA, p66-shc siRNA (from nt 236-256 in the CH2
 56 domain)
 58 <400> SEQUENCE: 3
 59 gaaugagucu cugucaucgu c 21
 61 <210> SEQ ID NO: 4

ENTERED

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62 <211> LENGTH: 21
63 <212> TYPE: RNA
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: oligonucleotide pair used in siRNA; h/m-shc siRNA,
68     p66-shc siRNA (from nt 236-256 in the CH2 domain)
70 <400> SEQUENCE: 4
71 cgaugacaga gacucauucc g                                21
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 30
75 <212> TYPE: DNA
76 <213> ORGANISM: Mus musculus
78 <220> FEATURE:
79 <221> NAME/KEY: primer_bind
80 <222> LOCATION: (1)...(30)
81 <223> OTHER INFORMATION: sense primer for mouse p46 ShcA cDNA
83 <400> SEQUENCE: 5
84 cggaattcat gggacctggg gtttcctact                        30
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 30
88 <212> TYPE: DNA
89 <213> ORGANISM: Mus musculus
91 <220> FEATURE:
92 <221> NAME/KEY: primer_bind
93 <222> LOCATION: (1)...(30)
94 <223> OTHER INFORMATION: sense primer for mouse p52 ShcA cDNA
96 <400> SEQUENCE: 6
97 cggaattcat gaacaagctg agtggaggcg                        30
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 36
101 <212> TYPE: DNA
102 <213> ORGANISM: Mus musculus
104 <220> FEATURE:
105 <221> NAME/KEY: primer_bind
106 <222> LOCATION: (1)...(36)
107 <223> OTHER INFORMATION: sense primer for mouse p66 ShcA cDNA
109 <400> SEQUENCE: 7
110 cggaattcat ggatcttcta ccccccaagc cgaagt                36
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 31
114 <212> TYPE: DNA
115 <213> ORGANISM: Mus musculus
117 <220> FEATURE:
118 <221> NAME/KEY: primer_bind
119 <222> LOCATION: (1)...(31)
120 <223> OTHER INFORMATION: common antisense primer for ShcA cDNAs
122 <400> SEQUENCE: 8
123 cggaattcac actttccgat ccacgggttg c                      31
125 <210> SEQ ID NO: 9

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126 <211> LENGTH: 40
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: overlapping oligonucleotide pair for insertion
132     into the KpnI-EcoRI site of pcDNA3
134 <400> SEQUENCE: 9
135 cccaccatgg cttacccata cgatgttcca gattacgctg          40
137 <210> SEQ ID NO: 10
138 <211> LENGTH: 48
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: overlapping oligonucleotide pair for insertion
144     into the KpnI-EcoRI site of pcDNA3
146 <400> SEQUENCE: 10
147 aattcagcga attctggaac atcgatatggg taagccatgg tgggggtac      48
149 <210> SEQ ID NO: 11
150 <211> LENGTH: 27
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: overlapping oligonucleotide pair used to mutate
156     methionine 65 (start site for p52) to leucine in
157     p66HA, resulting in p66HA-m1
159 <400> SEQUENCE: 11
160 ctctctccagg acctgaacaa gctgagt          27
162 <210> SEQ ID NO: 12
163 <211> LENGTH: 28
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: overlapping oligonucleotide pair used to mutate
169     methionine 65 (start site for p52) to leucine in
170     p66HA, resulting in p66HA-m1
172 <400> SEQUENCE: 12
173 cactcagctt gttcaggtcc tggaggag          28
175 <210> SEQ ID NO: 13
176 <211> LENGTH: 27
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: overlapping oligonucleotide pair used to mutate
182     the initiation sites for p46 in both p66HA-m1 and
183     p52HA, resulting in p66HA-ML and p52HA-ML
185 <400> SEQUENCE: 13
186 ccaacgacaa agtcctggga cccggggg          27
188 <210> SEQ ID NO: 14
189 <211> LENGTH: 27

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190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: overlapping oligonucleotide pair used to mutate
195     the initiation sites for p46 in both p66HA-m1 and
196     p52HA, resulting in p66HA-ML and p52HA-ML
198 <400> SEQUENCE: 14
199 ccccggtcc caggactttg tcgttgg                27
201 <210> SEQ ID NO: 15
202 <211> LENGTH: 34
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: overlapping oligonucleotide pair used to give
208     p46HA-sm, p52HA-ML-sm and p66HA-ML-sm
210 <400> SEQUENCE: 15
211 ggggtttcct acttggtccg ctacatgggt tgtc        34
213 <210> SEQ ID NO: 16
214 <211> LENGTH: 34
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: overlapping oligonucleotide pair used to give
220     p46HA-sm, p52HA-ML-sm and p66HA-ML-sm
222 <400> SEQUENCE: 16
223 cacaacccat gtagcggacc aagtaggaaa cccc        34

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VERIFICATION SUMMARY

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date